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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

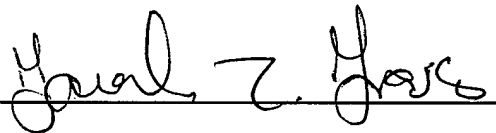
Applicants: Henry Houh
Serial No.: 09/920,469
For: METHOD AND APPARATUS FOR UTILIZING A NETWORK
PROCESSOR AS PART OF A TEST SYSTEM
Filing Date: August 1, 2001
Examiner: Phan, Thai Q.
Art Unit: 2128
Conf. No.: 5568

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: **MAIL STOP AMENDMENT**, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450 on:

Date: August 15, 2005

By: Farah Z. Frasco
(Typed or printed name of person mailing
Document, whose signature appears below)

Signature: 

MAIL STOP AMENDMENT
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

AFFIDAVIT UNDER 37 CFR 1.131

1. I, Henry Houh, am the sole inventor of "METHOD AND APPARATUS FOR UTILIZING A NETWORK PROCESSOR AS PART OF A TEST SYSTEM" now before the U. S. Patent Office as Application Number 09/920,469.

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2. It is my belief that inventorship in the above-identified patent application is correct.
3. Prior to March 22, 2000, I conceived of the invention of "METHOD AND APPARATUS FOR UTILIZING A NETWORK PROCESSOR AS PART OF A TEST SYSTEM" now before the U. S. Patent Office as Application Number 09/920,469.
4. Prior to March 22, 2000, I reduced to practice the invention described and claimed in Application Number 09/920,469, now pending in the U.S. Patent Office, as evidenced by the attached Invention Disclosure entitled, "ADDING NETWORK BEHAVIOR TO PACKETS TRAVELING BETWEEN TWO DEVICES", Invention Disclosure entitled, "RECORDING A NETWORK PROFILE AND THEN USING IT TO RE-CREATE THE NETWORK, Invention Disclosure entitled, "METHOD OF USING A NETWORK PROCESSOR AS A PACKET ENGINE", Invention Disclosure entitled, "VOICE TRAFFIC SNIFFER FOR A DATA NETWORK", and draft patent application entitled "METHOD AND APPARATUS FOR UTILIZING A NETWORK PROCESSOR AS PART OF A TEST SYSTEM".
5. All of the statements made herein are of my own knowledge and are true, these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and any patent issuing thereon, or any patent to which this verified statement is applied.

9 Aug 2005
Date of Signature

By: Henry Houh
Henry Houh

INVENTION DISCLOSURE

INSTRUCTIONS: Please describe your idea or invention by answering the questions below and attaching additional pages. No set format is required and information does not need to be typed if it is readable. Feel free to use documents you have already prepared, such as product proposals or presentations, to describe the idea. Remember, the purpose of this disclosure is to let others know of your idea so that it can be evaluated. The disclosure does not have to be lengthy.

An invention disclosure can be made as soon as an idea is conceived. You do not have to wait until the idea has been implemented or tested.

TITLE OF INVENTION	Adding network behavior to packets traveling between two devices
NAMES OF INVENTORS	William Stronge, Henry Houh
CONTACT PERSON	(give name, extension and fax number) William Stronge
PRODUCT OR PROGRAM	(if the invention was developed for a specific product or program, please indicate) FAT CITY
STATUS	<input type="checkbox"/> idea still being refined <input type="checkbox"/> idea is stable <input checked="" type="checkbox"/> working on implementation <input type="checkbox"/> implementation stable <input type="checkbox"/> testing in process <input type="checkbox"/> test results available <input type="checkbox"/> incorporating in product <input type="checkbox"/> product release set If idea has been or will be released outside of Teradyne, indicate when and how:

ATTACHMENTS:

I. PROBLEM STATEMENT. Please describe the problem you were trying to solve when you made this invention or the new features this invention provides.

Current methods of introducing jitter, latency, packet loss and other related data packet problems in a network environment utilize a P.C. based software tool which implements statistical variations at a rate of approximately 10Mb/sec.

II. INVENTION. Please describe your invention. High level block diagrams or a brief overview will often suffice.

A method and apparatus which sits between two devices on a data network and simulates what a data network does to the flow of packets between the devices. This includes adding jitter, latency and packet loss. A user can plug in their own definition of jitter, latency and loss, a network profile, to simulate any kind of conditions on a network.

III. ALTERNATIVES AND ADVANTAGES. Please describe the best alternative ways you know to solve the problem. If appropriate, consider existing Teradyne products and competitive products. Indicate advantages of the invention over the alternatives.

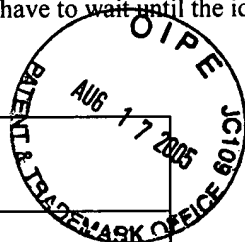
Devices that sit on a data network can be tested to see how they react to various conditions on a network. For multiple environments or for multiple users, multiple profiles can be utilized.

IV. OTHER. List any other information you consider to be important.

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TITLE OF INVENTION	Recording a network profile and then using it to re-create the network
NAMES OF INVENTORS	William Stronge, Henry Houh
CONTACT PERSON	(give name, extension and fax number) William Stronge
PRODUCT OR PROGRAM	(if the invention was developed for a specific product or program, please indicate) FAT CITY
STATUS	<input type="checkbox"/> idea still being refined <input type="checkbox"/> idea is stable <input checked="" type="checkbox"/> working on implementation <input type="checkbox"/> implementation stable <input type="checkbox"/> testing in process <input type="checkbox"/> test results available <input type="checkbox"/> incorporating in product <input type="checkbox"/> product release set If idea has been or will be released outside of Teradyne, indicate when and how:

ATTACHMENTS:

I. PROBLEM STATEMENT. Please describe the problem you were trying to solve when you made this invention or the new features this invention provides.

II. INVENTION. Please describe your invention. High level block diagrams or a brief overview will often suffice.

A method and apparatus of recording a network profile and then using the profile to recreate those network conditions. A network profile describes how a network's jitter, latency and loss varies over time. Once recorded, a network profile can be used in a network simulator to simulate the affect that the network would have had on a packet flowing through that network.

III. ALTERNATIVES AND ADVANTAGES. Please describe the best alternative ways you know to solve the problem. If appropriate, consider existing Teradyne products and competitive products. Indicate advantages of the invention over the alternatives.

The profile recorded allows a network to be simulated without having to re-create the network or the conditions on the network.

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TITLE OF INVENTION	Method of Using a Network Processor as a Packet Engine								
NAMES OF INVENTORS	William Stronge, Henry Houh								
CONTACT PERSON	(give name, extension and fax number) William Stronge								
PRODUCT OR PROGRAM	(if the invention was developed for a specific product or program, please indicate) FAT CITY								
STATUS	<table><tr><td><input type="checkbox"/> idea still being refined</td><td><input type="checkbox"/> idea is stable</td></tr><tr><td><input checked="" type="checkbox"/> working on implementation</td><td><input type="checkbox"/> implementation stable</td></tr><tr><td><input type="checkbox"/> testing in process</td><td><input type="checkbox"/> test results available</td></tr><tr><td><input type="checkbox"/> incorporating in product</td><td><input type="checkbox"/> product release set</td></tr></table> <p>If idea has been or will be released outside of Teradyne, indicate when and how:</p>	<input type="checkbox"/> idea still being refined	<input type="checkbox"/> idea is stable	<input checked="" type="checkbox"/> working on implementation	<input type="checkbox"/> implementation stable	<input type="checkbox"/> testing in process	<input type="checkbox"/> test results available	<input type="checkbox"/> incorporating in product	<input type="checkbox"/> product release set
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<input type="checkbox"/> testing in process	<input type="checkbox"/> test results available								
<input type="checkbox"/> incorporating in product	<input type="checkbox"/> product release set								

ATTACHMENTS:

I. PROBLEM STATEMENT. Please describe the problem you were trying to solve when you made this invention or the new features this invention provides.

Computer network data load generators create data packets using specialized circuits.

II. INVENTION. Please describe your invention. High level block diagrams or a brief overview will often suffice.

A new class of integrated circuits, called Network Processors, is just now becoming available. These circuits are intended to function in network switches and routers as traffic cops directing data packets from an input port to an output port. However, these Network Processors can also be used to generate data packets in the same way that specialized circuits do today.

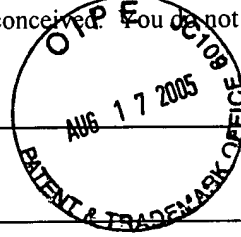
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An invention disclosure can be made as soon as an idea is conceived. You do not have to wait until the idea has been implemented or tested.



TITLE OF INVENTION	Voice Traffic Sniffer for a Data Network
NAMES OF INVENTORS	William Stronge, Henry Houh
CONTACT PERSON	(give name, extension and fax number) William Stronge
PRODUCT OR PROGRAM	(if the invention was developed for a specific product or program, please indicate) FAT CITY
STATUS	<input type="checkbox"/> idea still being refined <input type="checkbox"/> idea is stable <input checked="" type="checkbox"/> working on implementation <input type="checkbox"/> implementation stable <input type="checkbox"/> testing in process <input type="checkbox"/> test results available <input type="checkbox"/> incorporating in product <input type="checkbox"/> product release set If idea has been or will be released outside of Teradyne, indicate when and how:

ATTACHMENTS:

I. PROBLEM STATEMENT. Please describe the problem you were trying to solve when you made this invention or the new features this invention provides.

II. INVENTION. Please describe your invention. High level block diagrams or a brief overview will often suffice.

A method and apparatus of sniffing voice traffic in a data network. A profile is generated from the data obtained by the sniffer. The profile defines the jitter, latency and packet loss experienced by the voice data packets on the data network.

III. ALTERNATIVES AND ADVANTAGES. Please describe the best alternative ways you know to solve the problem. If appropriate, consider existing Teradyne products and competitive products. Indicate advantages of the invention over the alternatives.

IV. OTHER. List any other information you consider to be important.